

Date: Sun, 16 Oct 94 19:09:13 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: List
Subject: Info-Hams Digest V94 #1128
To: Info-Hams

Info-Hams Digest Sun, 16 Oct 94 Volume 94 : Issue 1128

Today's Topics:

Amateur Radio Newsline #896 14 Oct 94
 ANS-288 BULLETINS
 ARLK046 Keplerian data
 IPS Daily Report - 14 October 94
 IPS Daily Report - 15 October 94
 IPS Daily Report - 16 October 94
 N2XYY QTH wanted?
 Need info SFU455 filters
Need manuals for HP-1980-B Oscilloscope
Princeton, NJ 2M Repeater Upgraded!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 16 Oct 1994 09:36:23 -0400
From: bigsteve@dorsai.dorsai.org (Steve_Coletti)
Subject: Amateur Radio Newsline #896 14 Oct 94

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FTP, (oak.oakland.edu) - kylz@neu.edu (Scott Erlich, Boston ARC)
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Internet mailing list (re-distributors) - D.CARY@genie.geis.com
BBS Networks - Steve Coletti (within the conference/echo) or
bigsteve@dorsai.dorsai.org via Internet.
(RIME users can RO mail to ->35,
Fidonet users can Netmail to 1:278/309)

NEWSLINE RADIO - CBBS EDITION #896 - POSTED 10/15/94

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The following is late news about Amateur Radio for Radio
Amateurs as prepared from NEWSLINE RADIO scripts by the staff of
the AMATEUR RADIO NEWSLINE, INC. -- formerly the WESTLINK RADIO
NETWORK. For current information updates, please call

Audio Version of Newsline

=====

Los Angeles.....	(213)	462-0008
Los Angeles (Instant Update Line).....	(805)	296-2407
Seattle.....	(206)	368-3969
Seattle.....	(206)	281-8455
Tacoma.....	(206)	927-7373
Louisville.....	(502)	894-8559
Dayton.....	(513)	275-9991
Chicago.....	(708)	289-0423
New York City.....	(718)	353-2801
Melbourne, FL.....	(407)	259-4479

Electronic Hardcopy Version of Newsline

=====

GEnie (RTC Bulletin Board).....	m345;1
GEnie (File Library).....	m345;3
Dallas Remote Imaging BBS (DRIG).....	(214) 492-7573
In bulletin number 36	
The Midwest Connection BBS.....	(701) 239-2440
In bulletin number 6 of the ham radio conference	
Delphi.....	
In the ham radio conference	
Internet.....	
In the rec.radio.info newsgroup	
FTP: oak.oakland.edu, archive: pub/hamradio/docs/newsline	
Fidonet, RIME, Intellec, I-Link.....	
In the Ham Radio conferences on those networks	
CompuServe/HamNet.....	Coming Soon!

For questions or comments about the text version, contact me at D.CARY@GENIE.GEIS.COM on the Internet.

For the latest breaking info call the Instant Update Line listed above. To provide information please call (805) 296-7180. This line answers automatically and will accept up to 30 minutes of material.

Check with your local amateur radio club to see if NEWSLINE can be heard weekly on the air in your area.

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For further information about the AMATEUR RADIO NEWSLINE, please write to us with an SASE at P.O. Box 463, Pasadena, CA 91102.

Thank You
NEWSLINE

(*****

Some of the hams of NEWSLINE RADIO...

WA6ITF WB6MQV WB6FDF K6DUE W6RCL N6AHU N6AWE N6TCQ K6PGX N6PNY
KU8R N8DTN W9JUV KC9RP K9XI KB5KCH KC5UD KC0HF G8AUU WD0AKO DJ0QN
and many others in the United States and around the globe!!!

(*****

[896]

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( * * *   C L O S E D   C I R C U I T   A D V I S O R Y   * * *
(*
(*       The following advisory is not necessarily for broadcast
(* over amateur radio.  This is just a reminder that the
(* address for the Newsline Support Fund is Newsline, in care
(* of Randy Hammock, KC6HUR, Post Office Box 463, Pasadena,
(* California 91102.  Again, and as always, we thank you.
(* That ends the closed circuit with Newsline report number
(* 896 for release on Friday, October 14, 1994 to follow.
(*
(*
(* * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
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The following is a QST

The FCC says no to morse code exemptions for the elderly and the ARRL announces some election winners. These stories and more on Newsline report number 896 coming your way right now!

(*****

ELDERLY REFUSAL

The FCC says no a petition that proposed exemptions from Morse code exams for people age 65 and older.

The petition to change the rules was filed by Guy A. Matzinger, KB7PNQ. Matzinger is a 67-year-old Technician class licensee from Cheney, Washington. In his petition Matzinger argued that old age results in diminished faculties. He even equated people 65 and older with the severely disabled in terms of passing a CW exam.

To back up his claim, Matzinger introduced the results of a survey he conducted that said 63 percent of those he contacted supported an exemption for speeds above 5 WPM for anyone over age

65.

But in turning away Matzingers' request the FCC says that the survey was flawed. It notes that the study provided only a statistical age profile of those contacted but did not say how many people were actually surveyed.

The FCC says that similar petitions have been denied in the past. This is because the current Amateur Radio license structure is based on the desires of the amateur service community and on the thousands of comments it received on previous petitions.

The Commission also notes that its rules already provide for Morse code exemptions for candidates with certain recognized disabilities. It adds that the Matzinger petition got the usual public notice, but says it received no comments at all on this regulatory change request.

(*****

CONGRESS ACTS TO SUPPORT HAM RADIO

A joint congressional resolution supporting Amateur Radio was successfully passed through both houses of Congress in the wee hours of the morning of October 7. The bill asks for "reasonable accommodation" in the operation of Amateur Radio in homes, automobiles and public places.

It was a last ditch effort by Senators Charles Robb, Wendell Ford and Alan Simpson to make Senate Joint Resolution 90 a reality. The bill passed on the floor of the Senate under unanimous consent at 12:10 AM. It then went to the House of Representatives. There it was brought up by Congressman Al Swift and passed unanimously at 2:45 AM. Patricia Spurlock, a staffer for Senator Robb, and Stephanie Vance, a staffer for Congressman Mike Kreidler, worked overtime on the bill. You may remember that it was Kreidler introduced the original House version.

Passage was assisted by the efforts of David Leach, counsel to the House Energy Commerce Committee, along with Jerry Waldron and Colin Crowell of the House Telecommunication and Finance Subcommittee.

Not since the days when Barry Goldwater, K7UGA served in the senate has Amateur Radio seen this kind of support from Capitol Hill.

(*****

ARRL WINNERS

ARRL Directors and Vice Directors have been elected or re-elected by acclimation in several league divisions. This happens when only one person was nominated and eligible. At this point the Elections Committee declared that candidate elected.

Those running unopposed this year and elected included Hudson

Division Director Steve Mendelsohn, WA2DHF and Vice Director Paul Vydareny WB2VUK; New England Division Director Bill Burden WB1BRE and Vice Director Warren Rothberg WB1HBB; Rocky Mountain Division Vice Director Walt Stinson W0CP; Southwestern Division Director Fried Heyn WA6WZO and Vice Director Art Goddard W6XD. Finally, in the West Gulf Division Tom Comstock N5TC was re-elected as Director and former Director and ARRL Vice President Jim Haynie, WB5JBP comes in as the new West Gulf Vice Director.

There were several divisions with contested elections. Ballots have been mailed to ARRL members in those divisions where a vote to decide the winners is required.

(*****

TASMA'S RADUS STEPPING DOWN

Out on the west coast, Attorney Sidney Radus, N6OMS, the current chairman of the Two Meter Area Spectrum Management Association of Southern California says that he will not stand for reelection. He blames a mis-information campaign as his reason to step aside.

In a letter to the TASMA membership and faxed to Newsline, Radus says that someone has been putting out information that the now defunct \$10 a year contribution was a mandatory database maintenance fee. He says that it was his understanding that payment was voluntary and intended to fund the work of the groups Interference Committee.

According to Radus, much dis-information has been floated on packet radio, on the Prodigy system, on America OnLine and in the ham press regarding the purpose of the ten dollar donation. And, while N6OMS stops short of naming names, he does say that there are apparently some people who are -- and we quote --- "who are attempting to generate a self fulfilling prophecy and stir up more turmoil and trouble" -- end quote.

Radus says that he cannot condone and will not be a party to obtaining money under false pretense. For that reason he says that he has decided not to seek reelection as TASMA chairman.

(*****

AT&T FORMS TEAM TO TRACK HACKERS

AT&T Corp.'s Global Business Communications Systems says that it has formed an investigative unit to monitor, track and catch phone-system hackers in the act of committing toll fraud. The unit will profile hacker activity and initiate "electronic stakeouts" with its business communications equipment customers in cooperation with law enforcement agencies, and work with them to prosecute the thieves. The company says that its goal is not only to defend against hackers but to get them off the street."

(*****

RAY BRIEM SHOW - HAM RADIO SPECIAL

Hi. I'm Ray Brien, N6FFT. As many of you know, for the past thirty years I have hosted an all night talk show on radio station KABC in Los Angeles. And for the past several years I have devoted at least one night a year to talk about one of my favorite subjects, ham radio.

Well, at the end of the year I plan to retire. Before I do I want to hold one more Ray Briem Ham Radio Special. We plan to have some of the best known ham radio operators with us in the studio. Others worldwide will join in by telephone.

It's an all star ham radio line up to big to list here, but I will tell you that you won't be disappointed.

I've chosen Saturday morning October the 29th for this special event. We start at 5 minutes after midnight and go till 5 in the morning. The nighttime signal of our powerful 5000 watt KABC transmitter means that many of you should be able to hear us throughout the western United States.

So come and join us the morning of October 29th -- at 5 minutes past midnight for the last ever Ray Briem Show Ham Radio Special over KABC radio in Los Angeles. That's 790 on your AM dial. Who knows. We may even QSL.

(*****

DISABLED HAMS FUND

The ARRL Foundation has established The Program for the Disabled Fund. This, to raise funds for the development of educational and informational materials for disabled licensed or prospective hams. Your contribution can help make popular ARRL publications available in forms most useful to disabled hams and their instructors. For more information please contact The ARRL Program for the Disabled Fund, 225 Main Street, Newington, Connecticut 06111.

(*****

SMRS FRAUD CHARGE

The Securities and Exchange Commission, responding to a complaint about a Florida based licensing mill has teamed up with the FCC's Miami office to act in the case. As a result, an investment company brokering the sale of Specialized Mobile Radio System and Private Carrier licenses as investments through infomercial television advertising is now charged with interstate fraud.

The FCC Miami Office provided information about licensing

procedures and developed facts that showed the investment firm had been charging an average of \$7,000 for each license. The SEC has seized the company and issued a temporary restraining order against its owners doing further business. Before it was able to stop the scheme some 12,000 investors had been dinged.

(*****

DP3MIR ACTIVE ABOARD MIR SPACE STATION

German Astronaut Dr. Ulf Merbold is on the air from the Russian MIR space station signing DP3MIR. This, during the ESA EUROMIR 94 mission.

In order to give actual information regarding the mission to as many radio amateurs and SWLs as possible, he is using the digital voice memory of MIR's ham radio rig designed and built by Thomas Kieselbach, DL2MDE. Kieselbach made arrangements with DP3MIR to load actual spoken reports into the digital memory. The reports in English and German are being retransmitted automatically on 145.550 Mhz FM in regular time intervals.

(*****

PRODIGY JOINS INTERNET

Prodigy Services Co. has announced easier access to and help on the Internet. This, for its novice members who often receive insulting messages from more seasoned users on the world's largest high tech computer network.

Reports quoting the Reuter news agency say that Prodigy will offer a tutorial for new Internet user practice and education, simple point-and-click retrieval of frequently asked questions on Internet discussion groups and a primer on what Internet types call "Netiquette. That being the protocol demanded of all new Internet users by those already there.

Prodigy also plans to set up its own node on the Internet, which would enable Prodigy to offer content and services to Internet users.

William Day, a Prodigy product manager, is quoted as saying that his users frequently send test messages to the Internet newsgroups. As a result, many are "flamed" or insulted, by the typical sophisticated computer users on the Internet system.

(*****

UK AWARD

From Great Britain comes word that Roger Betts G0TRB, has been named as the recipient of the RSGB Supreme Transmitting Award in recognition of his three Senior Awards for operation on 50 Mhz, 144 MHz and 432 MHz. He also received an updated award

for contacting fifty countries on the six meter band.

On 70 MHz, a band not available in the United States or ITU Region 2, Derek Thom, G3NKS, has been awarded certificates for 60 countries, 40 locator squares and 8 countries worked and confirmed.

(*****

UK BEACON

Also from the United Kingdom , word that the 23cm beacon GB3CLE will have to close down at its existing site next March. Two alternative sites have been offered. One is near Oswestry in North-West Shropshire and the other is near Newtown. The sponsors of the beacon, the Salop Amateur Radio Society, invites users to indicate their preference. Anyone who uses this beacon, and who would like a say in its future, should contact the keeper, Don Goddard, G3UQH, at his Callbook address.

(*****

DX

In DX, word a large international team of hams will travel to Mexico's Naval Base of Socorro Island from 23 October through 01 November including a multi-single entry in the CQ World Wide SSB Contest. Signing XF4M, the team will operate on all HF bands and modes including RTTY and the RS-12 satellite.

Socorro Island is in the Revillagigedos Islands Group and this DXpedition also marks the first contest effort ever from Revillagigedos.

Also, for the first time ever, the Mexican military will permit two prominent Russian amateurs to operate from this strategic island. They are Andy Chesnokov UA3AB and Igor Booklan RA3AUU. Both are well-known for DXpeditions to Afghanistan and Myanmar Republic in Burma.

Others on the team include Frank Smith AH0W, Ed Kritsky NT2X, Gabriel Valdez XE2Z, Alfonso Belmar XE1ILH, Pepe Lozano XE1MX, Victor Keller XE1VIC, and Motoaki Saito JH1EDB.

All stations working XF4M will get a prompt QSL from JH1AJT.

(*****

NEW BABY

And finally, back in 1987 this reporter had the good fortune to host a ham radio promotional video called The New World of Amateur Radio. Those of you who have seen that show will remember I was joined on screen by two teenage hams. Well -- Nathan Pyle KB6PLH and Kelly Howard N6PNY were teen-agers back then.

Since 1990, Kelly Howard has been Mrs. Steven Lenert, and on

So as we end this weeks newscast, we ask you to join with us in congratulating Kelly Lenert, N6PNY and her husband Steven on this very special moment in their lives. We also welcome Michael Steven Lenert into his own new world, that some day may even include Amateur Radio. Who knows what the future will bring.

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And for this week, that's all from the Amateur Radio Newsline.
You can write to us at:

Amateur Radio Newsline
Post Office Box 463
Pasadena, California
91102

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 < ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^>  
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 <      Shortwave Listener, Broadcaster, Computer Consultant                       >  
 <                        and all around nice guy                                  >  
 < Internet: bigsteve@dorsai.dorsai.org ==== S.COLETTI2@genie.geis.com             >  
 <   UUCP: steve.cole@islenet.com ==== steveny@lopez.marquette.mi.us              >  
 <     Fidonet: 1:278/307    US Mail: P.O. Box 396, New York, NY 10002            >  
 <                             Voice: +1 212 995-2637                            >
```

Date: 16 Oct 94 23:05:54 GMT
From: cowdin@pogo.DEn.mmc.COM (Dave Cowdin)
Subject: ANS-288 BULLETINS

SB SAT @ AMSAT \$ANS-288.01
SUMMARY OF AMSAT-NA SYMPOSIUM

HR AMSAT NEWS SERVICE BULLETIN 288.01 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
TO ALL RADIO AMATEURS BT

BID: \$ANS-288.01

AMSAT-NA Annual Meeting and Space Symposium

The 1994 AMSAT-NA Annual Meeting and Space Symposium was held October 7-9 at the Orlando, Florida Airport Holiday Inn. Attendance set a new record with 227 registered including 24 from countries outside the U.S. Countries represented were Canada, Mexico, the U.K. Germany, Switzerland, Sweden, the Azores, Argentina, Chile, Paraguay, Brazil, Panama, Jamaica, and Japan. Papers on most aspects of satellite design and operation were presented including an entire afternoon devoted to Phase 3D. The symposium was highlighted by tours of the Phase 3D Integration Facility which has been established in a Foreign Trade Zone at the Orlando International Airport. All who saw the facility and the Phase 3D spaceframe were very impressed by the quality and care going into the construction of the new satellite.

A Proceedings was published by ARRL in conjunction with the Symposium, copies of which are available from AMSAT Headquarters. For information, call Martha at 301-589-6062.

/EX

SB SAT @ AMSAT \$ANS-288.02

AMSAT-NA BOARD MEETS

HR AMSAT NEWS SERVICE BULLETIN 288.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-288.02

AMSAT-NA Board Meets - Elects Officers

The AMSAT-NA Board of Directors met October 9 and 10 in Orlando, Florida. Topics addressed included long range planning for the organization following the completion and launch of Phase 3D, production of revenue for new projects from Phase 3D developed technology, future policies with respect to providing MICROSAT technology to overseas amateur groups, guidelines defining amateur satellites, interaction with the IARU, cooperation with various university groups building, or planning to build, satellites and the TAPR/AMSAT DSP-93 project.

In addition, officers to serve until next year's Annual Meeting were elected. These are as follows:

President	Bill Tynan W3XO
Executive Vice President	Keith Baker KB1SF
Vice President Engineering	Dick Jansson WD4FAB
Vice President Operations	Keith Pugh W5IU

Corporate Secretary/Manager Martha Saragovitz
Treasurer Art Feller KB4ZJ

Thus, Keith Baker replaces Ray Soifer W2RS as Executive Vice President. This is in accordance with Ray's expressed desires. W2RS will remain active as AMSAT-NA's principal liaison with overseas AMSAT groups and the IARU as well as other tasks for which he is especially suited.

A new department called "Electronic Publications" was established and Paul Williamson KB5MU was appointed by the President as a Vice President to head that department. Appointments of additional officers will be made by the President shortly.

The AMSAT-NA budget for 1995 was approved. It reflects very heavy spending for completion of Phase 3D project.

AMSAT-NA Members Win Award for Papers Presented at Institute of Navigation Conference

Dr. Tom Clark W3IWI and Frank Bauer KA3HDO both won "Best in Session" awards for papers presented at the Institute of Navigation (ION) GPS-94 Conference held in Salt Lake City in late September. W3IWI's paper was entitled "A Low Cost Spacecraft Receiver for Orbit and Attitude Determination." It described the GPS equipment being readied for installation in Phase 3D. KA3HDO's paper was entitled Preflight Testing of the SPARTAN GADACS Experiment." SPARTAN is a package, containing an amateur transponder, to be deployed during an upcoming SHUTTLE mission.

The AMSAT News Service congratulates both AMSAT members for these well-deserved honors.

/EX

SB SAT @ AMSAT \$ANS-288.03

A0-21 GOES SILENT

HR AMSAT NEWS SERVICE BULLETIN 288.03 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-288.03

DB20S Reports Sad News About A0-21

"I'm sad to inform you that A0-21 (RS-14) suddenly suspended it's operation this morning on October 13, after more than 3 1/2 year of successfull operation in space."

"Both the RUDAK beacon on 145.987 MHz and the CW telemetry beacon on 145.812 MHz are now completely silent. Commands to re-activate the RUDAK beacon from ground were unsuccessful."

"At the moment it is unclear if a system fault occurred or if the payload was switched off by the INFORMATOR-1 main command station."

"On 16-NOV-94 last month, the command station for the main satellite suspended active thermal and attitude control, as the primary mission of the spacecraft was over. Although at the same time it was indicated that at least the AO-21/RS-14 amateur radio payload will be still powered up and can continue its operation. However, it was also made clear that the Main Commandstation will no more control INFORMATOR-1 in case of trouble."

"We are trying to find out what happened, but it may turn out that AO-21 will never come back to life again."

"Please keep your fingers crossed."

73 Peter, DB20S
AMSAT-DL

/EX
SB SAT @ AMSAT \$ANS-288.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 288.04 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 15, 1994
TO ALL RADIO AMATEURS BT
BID: \$ANS-288.04

Weekly OSCAR Status Reports: 15-OCT-94

AO-13: Current Transponder Operating Schedule:

N QST *** AO-13 TRANSPONDER SCHEDULE *** 1994 Sep 12 - Dec 19
Mode-B : MA 30 to MA 150 |<- OFF Oct 22 - Nov 07 for eclipses
Mode-B : MA 150 to MA 190 | max duration 2h 12m
Mode-BS : MA 190 to MA 218 |
Mode-S : MA 218 to MA 220 |<- S beacon only
Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
Mode-B : MA 230 to MA 30 | Blon/Blat 230/0
Omnis : MA 250 to MA 140 | Move to attitude 180/0, Dec 19

The battery charge state is of paramount importance during the eclipse seasons. As always the command team may have to have to make temporary changes to the published schedule. In that case we will try to minimize the inconvenience, setting Mode-B OFF from MA 230-256 in the first instance.

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[G3RUH/DB20S/VK5AGR]

K0-25: The Keps being distributed for K0-25 are still those for Object 22830. The Keps for Object 22828 are, by general agreement, much more accurate for K0-25. W5RKN believes it is time to drop Object 22830 and distribute the Keps for K0-25 as Object 22828. [W5RKN]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ N0QCU. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

Date: Sat, 15 Oct 1994 14:39:11 EDT
From: w1aw@arrl.org
Subject: ARLK046 Keplerian data

SB KEP @ ARL \$ARLK046
ARLK046 Keplerian data

ZCZC SK14
QST de W1AW
Keplerian Bulletin 46 ARLK046
>From ARRL Headquarters
Newington, CT October 15, 1994
To all radio amateurs

SB KEP ARL ARLK046
ARLK046 Keplerian data

Thanks to NASA, AMSAT and N3FKV for the following Keplerian data.

Decode 2-line elsets with the following key:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

STS-66

1 99966U 94307.76579162 .00051270 00000-0 16849-3 0 26

2	99966	56.9997	196.6306	0011659	276.4103	83.5649	15.89544561	27
AO-10								
1	14129U	83058B	94274.43486862	.000000009	00000-0	10000-3	0	3153
2	14129	26.8409	305.1981	6029094	215.5270	82.9344	2.05880028	57002
RS-10/11								
1	18129U	87054A	94284.06842816	.000000023	00000-0	84473-5	0	9724
2	18129	82.9251	243.1794	0012999	65.4275	294.8211	13.72342218365801	
UO-11								
1	14781U	84021B	94284.55050201	.000000139	00000-0	31409-4	0	7454
2	14781	97.7843	293.8226	0010711	258.5688	101.4311	14.69252752567399	
RS-12/13								
1	21089U	91007A	94284.16533842	.000000015	00000-0	-63325-7	0	7447
2	21089	82.9200	285.4371	0030063	143.3255	216.9900	13.74047285184571	
AO-13								
1	19216U	88051B	94284.59421807	.000000099	00000-0	10000-4	0	9818
2	19216	57.7136	226.3304	7236688	352.3018	0.7184	2.09719137	16952
UO-14								
1	20437U	90005B	94284.24734306	.000000033	00000-0	29769-4	0	440
2	20437	98.5858	7.4211	0010422	207.9287	152.1334	14.29857747246173	
AO-16								
1	20439U	90005D	94284.71838348	.000000046	00000-0	34677-4	0	8429
2	20439	98.5951	9.2464	0010677	207.7087	152.3532	14.29911794246251	
DO-17								
1	20440U	90005E	94284.73130830	.000000045	00000-0	34481-4	0	8437
2	20440	98.5957	9.6221	0010935	205.9747	154.0880	14.30051780246273	
WO-18								
1	20441U	90005F	94284.77872173	.000000041	00000-0	32995-4	0	8462
2	20441	98.5954	9.6613	0011367	207.0179	153.0411	14.30025442246284	
LO-19								
1	20442U	90005G	94284.18928613	.000000046	00000-0	34878-4	0	8411
2	20442	98.5964	9.3666	0011606	208.4611	151.5940	14.30123245246216	
FO-20								
1	20480U	90013C	94284.85344646	-.000000030	00000-0	-28342-5	0	7395
2	20480	99.0568	54.7296	0541259	75.2624	290.7810	12.83227371219092	
AO-21								
1	21087U	91006A	94285.81164397	.000000094	00000-0	82657-4	0	5284
2	21087	82.9366	55.6506	0036285	114.7470	245.7469	13.74545983185740	
UO-22								
1	21575U	91050B	94284.21428917	.000000047	00000-0	30357-4	0	5489
2	21575	98.4259	356.3104	0007324	310.2542	49.8001	14.36934979169748	
KO-23								
1	22077U	92052B	94284.78844457	-.000000037	00000-0	10000-3	0	4417
2	22077	66.0824	35.8455	0015344	259.3353	100.5937	12.86288007101787	
KO-25								
1	22830U	93061H	94284.74577107	.000000036	00000-0	32019-4	0	3452
2	22830	98.5454	355.3885	0010997	191.4058	168.6873	14.28066134	54332
KO-25?								
1	22828U	93061F	94284.74511794	.000000041	00000-0	34065-4	0	3177

2 22828 98.6404 359.4037 0009437 213.8387 146.2189 14.28069039 22413
 IO-26
 1 22826U 93061D 94285.18203164 .00000027 00000-0 28712-4 0 3382
 2 22826 98.6432 359.8142 0008405 229.0416 131.0042 14.27741823 54387
 AO-27
 1 22825U 93061C 94284.64890901 .00000038 00000-0 33373-4 0 3406
 2 22825 98.6448 359.2338 0007811 228.3764 131.6754 14.27636872 54307
 PO-28
 1 22829U 93061G 94284.75277065 .00000067 00000-0 44616-4 0 3327
 2 22829 98.6417 359.4311 0009302 215.2615 144.7948 14.28043993 54337
 Mir
 1 16609U 86017A 94286.82358765 .00009086 00000-0 12798-3 0 8056
 2 16609 51.6488 312.6899 0002060 104.1305 256.0462 15.57440041494504

Keplerian bulletins are transmitted twice weekly from W1AW.
 The next scheduled transmission of these data will be Tuesday,
 October 18, 1994, at 2230z on Baudot and AMTOR.

NNNN

/EX

 Date: Fri, 14 Oct 1994 23:14:55 GMT
 From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)
 Subject: IPS Daily Report - 14 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
 ISSUED AT 14/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES
 FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
 SUMMARY FOR 14 OCTOBER AND FORECAST FOR 15 OCTOBER - 17 OCTOBER

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 93/38

GOES satellite data for 13 Oct

Daily Proton Fluence >1 MeV: 3.0E+05

Daily Proton Fluence >10 MeV: 1.1E+04

Daily Electron Fluence >2 MeV: 9.2E+06 (normal)

X-ray background: B1.1

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	15 Oct	16 Oct	17 Oct
Activity	Low	Low	Low

Fadeouts None expected None expected None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 15 Oct: 92/37

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices :	A	K	Observed A Index 13 Oct
Learmonth	10	3322 2322	
Fredericksburg	06		10
Planetary	10		13

Observed Kp for 13 Oct: 3334 2333

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
15 Oct	10	Quiet to unsettled
16 Oct	10	Quiet
17 Oct	10	Quiet

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
14 Oct	no data available		

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
15 Oct	normal	normal	normal
16 Oct	normal	normal	normal
17 Oct	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
14 Oct	21	near predicted monthly values

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
15 Oct	20	Near predicted monthly values
16 Oct	20	Near predicted monthly values
17 Oct	20	Near predicted monthly values

--

IPS Regional Warning Centre, Sydney |IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329 |PO Box 5606
Recorded Message tel: +61 2 4148330 |West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331 |AUSTRALIA

Date: Sat, 15 Oct 1994 23:22:53 GMT
From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)
Subject: IPS Daily Report - 15 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 15/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 15 OCTOBER AND FORECAST FOR 16 OCTOBER - 18 OCTOBER

1A. SOLAR SUMMARY

Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 93/38

GOES satellite data for 14 Oct

Daily Proton Fluence >1 MeV: no data

Daily Proton Fluence >10 MeV: no data

Daily Electron Fluence >2 MeV: no data

X-ray background: no data

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	16 Oct	17 Oct	18 Oct
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 16 Oct: 92/37

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices : A K Observed A Index 14 Oct
Learmonth 11 3333 3122
Fredericksburg 10 07
Planetary 10 08

Observed Kp for 14 Oct: no data available

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
16 Oct	10	Quiet to unsettled
17 Oct	8	Quiet
18 Oct	10	Quiet to unsettled

3A. GLOBAL HF PROPAGATION SUMMARY

DATE	LATITUDE BAND		
	LOW	MIDDLE	HIGH
15 Oct	no data available		

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

DATE	LATITUDE BAND		
	LOW	MIDDLE	HIGH
16 Oct	normal	normal	normal
17 Oct	normal	normal	normal
18 Oct	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
15 Oct	16	near predicted monthly values

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
16 Oct	15	Near predicted monthly values
17 Oct	20	Near predicted monthly values
18 Oct	20	Near predicted monthly values

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: Sun, 16 Oct 1994 23:17:25 GMT
From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)
Subject: IPS Daily Report - 16 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 16/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES

FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 16 OCTOBER AND FORECAST FOR 17 OCTOBER - 19 OCTOBER

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 91/36

GOES satellite data for 15 Oct

Daily Proton Fluence >1 MeV: 8.2E+05

Daily Proton Fluence >10 MeV: 9.8E+03

Daily Electron Fluence >2 MeV: 1.2E+07 (normal)

X-ray background: B1.3

Fluence (flux accumulation over 24hrs)/ cm²-ster-day.

1B. SOLAR FORECAST

	17 Oct	18 Oct	19 Oct
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 17 Oct: 90/34

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices : A	K	Observed A Index 15 Oct
Learmonth	7 2313 2111	
Fredericksburg	6	9
Planetary	7	11

Observed Kp for 15 Oct: 3333 3122

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
17 Oct	8	Quiet
18 Oct	10	Quiet to unsettled
19 Oct	8	Quiet

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
16 Oct	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

DATE	LATITUDE BAND		
	LOW	MIDDLE	HIGH
17 Oct	normal	normal	normal
18 Oct	normal	normal	normal
19 Oct	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
16 Oct	18	near predicted monthly values

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
17 Oct	18	Near predicted monthly values
18 Oct	20	Near predicted monthly values
19 Oct	20	Near predicted monthly values

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: 16 Oct 1994 19:58:49 -0400
 From: wb2mpk@gti.gti.net (Glen Johnson)
 Subject: N2XYY QTH wanted?

Gerry Jurrens (Gerry_Jurrens@monet.prs.k12.nj.us) wrote:
 : Can anyone help me? I'm trying to reach N2XYY in the Atlantic City, NJ area.
 : Does anyone on the 'net know him? He's too new to be listed in the Callbook
 : server....

: Thanks and best 73,

N2XYY is:

Eric T. Ashworth
 PO Box 98
 Pomona, NJ 08240
 Technician

Glen Johnson - wb2mpk@gti.net

Manager: GEnie Sports RoundTable
Radio & Electronics RT
Fantasy Sports Leagues RT

GEnie address: SPORTS
RADIO.RT

Date: 16 Oct 1994 20:47:14 GMT
From: hbr@ix.netcom.com (Brian Robinson)
Subject: Need info SFU455 filters

In <AAzGudkCq8@ra3apw.ampr.demos.su> karen@ra3apw.ampr.demos.su (Karen Tadewosyan) writes:

>
>Hi,
>I am looking for info about SFU455 ceramic filters. I have some SFU455A and
>SFU455B that I plan use, if it possible, in 9600/19200 designing packet rig.
>
>It will be well to know the next parameters:
> - 6 db bandwidth
> - 50 db bandwidth
> - attenuation
> - insertion loss
> - input/output impedance
> - group delay time.
>
>Thanks in advance.
>
>73 de Karen
>Moscow, Russia
>Phone: +7-095-4746283
>
Packet: RA3APW @ RA3APW.MSK.RUS.EU
Internet: karen@ra3apw.ampr.demos.su
sysop@ampr.demos.su
AMPRNet: ra3apw@gw.ra3apw.ampr.org
>
>

Here is some of the info:
SFU455A: 10=-/3KHz at -3db, 5 dB insertion loss. No numbers shown in
catalog
for 60 dB. Only spec is "6 db selectivity @ -10 KHz."

Specs are same for SFU455B, except center f is 462 KHz., and this
part is meant to be used with an IF transformer.

You might try Murata/Erie for more info; 2200 Lake Park Drive,
Smryna, Georgia 30080. Fax 404-436-3030.

Date: 16 Oct 1994 23:53:47 GMT
From: REHill@ix.netcom.com (Richard Hill)
Subject: Need manuals for HP-1980-B Oscilloscope

Hi. I'm looking for information on computer oscilloscopes. I'm trying to find something that will let me save and print sound images from a taped source. I've used a Tectronix storage oscilloscope, but would like to cut and paste images and annotate them. I use a 486 66 and windows or DOS. Can you give me any leads?

REHill@ix.netcom.com

Date: 16 Oct 1994 20:09:40 -0400
From: wb2mpk@gti.gti.net (Glen Johnson)
Subject: Princeton, NJ 2M Repeater Upgraded!

Gerry Jurrens (Gerry_Jurrens@monet.prs.k12.nj.us) wrote:
: We are looking for reports from stations who have been able to hear the
: Princeton, NJ repeater all these years, but have not been able to get into
: it...the repeater has just undergone a major upgrade (on the receiver side)
: and should be reachable from just about anywhere it can be heard. It's an
: open repeater, with PL 3B 131.8 on the output for those who want tone squelch
: decode.

What callsign is on this repeater?

End of Info-Hams Digest V94 #1128
